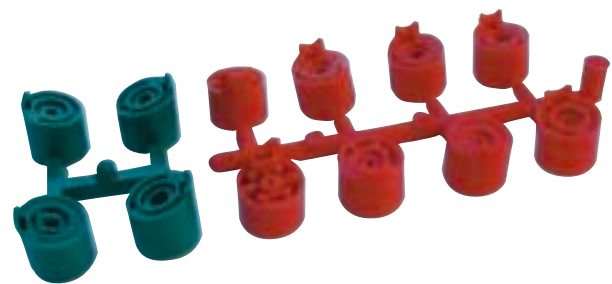


## ROTORS

The Virtualrain line of rotors are engineered with dependability and reliability. With the superior ability to deliver even water distribution with precision engineered nozzles. This rotor offers unmatched quality in an easy-to-use design. An adjustable and continuous full circle radius in one unit, and a dial-in-rotation arc that retains its original settings even after it is intentionally or accidentally knocked out of setting. With its patented features, it is the most customer-friendly rotor on the market offering the best reliability, durability, versatility and value.



### *Features and Benefits*

- 5" pop-up height
- Adjustable and continuous full circle in one unit
- Automatically returns to original set pattern after nozzle turret has been intentionally or accidentally turned out of set arc
- Variable stator keeps rotation speed consistent
- Standard and low angle nozzle included
- Integral rubber cover keeps dirt out



# Virtualrain ROTORS



## Models

VRR-00-ADJ	-Shrub
VRR-05-ADJ	-5" Pop-up
VRR-12-ADJ	12" Pop-up

## Dimensions

Overall Height	
Shrub-	7 7/8" (20 cm)
5" Pop-up	7 1/2" (19 cm)
12" Pop-up	17" (43 cm)
3/4" female inlet NPT	
Exposed Diameter:	2 1/4"

## Operating Specifications

Discharge rate: .5-10.0 GPM  
 Radius: 22' to 50'  
 Recommended pressure range: 30 to 70 PSI  
 Precipitation rates: .02 to 1.7 inches per hour  
 (Depending on spacing and nozzle used)  
 Nozzle trajectory; standard 26°, low angle- 12°

## Options Available

Drain check valve for up to 10' elevation change  
 Reclaimed water identification cover  
 Low angle nozzles  
 Factory-installed nozzle  
 No Nozzle

## Specification Guide

Example: **VRR-05-ADJ - CV**

Model	Options
VRR-00-ADJ	Shrub NN = No Nozzle
VRR-05-ADJ	5" Pop-up LA = Low Angle Nozzle
VRR-12-ADJ	12" Pop-up CV = Check Valve
	RCW = Reclaimed Water

## STANDARD NOZZLE PERFORMANCE CHART

Nozzle	U.S.			METRIC				
	Pressure PSI	Radius Ft.	Flow GPM	Pressure KPa Bars		Radius Meters	Flow LM M <sup>3</sup> /H	
0.5	30	26'	0.3	207	2.1	7.9	1.14	0.07
	40	27'	0.4	276	2.8	8.2	1.51	0.09
	<b>50</b>	<b>30'</b>	<b>0.5</b>	<b>345</b>	<b>3.4</b>	<b>9.1</b>	<b>1.89</b>	<b>0.11</b>
	60	29'	0.6	414	4.1	8.8	2.27	0.14
0.75	30	27'	0.5	207	2.1	8.2	1.89	0.11
	40	28'	0.6	276	2.8	8.5	2.27	0.14
	<b>50</b>	<b>30'</b>	<b>0.7</b>	<b>345</b>	<b>3.4</b>	<b>9.1</b>	<b>2.65</b>	<b>0.16</b>
	60	32'	0.75	414	4.1	9.8	2.84	0.17
1.0	30	30'	0.6	207	2.1	9.1	2.27	0.14
	40	31'	0.8	276	2.8	9.4	3.03	0.18
	<b>50</b>	<b>33'</b>	<b>0.9</b>	<b>345</b>	<b>3.4</b>	<b>10.1</b>	<b>3.41</b>	<b>0.20</b>
	60	33'	1.0	414	4.1	10.1	3.79	0.23
2.0	30	31'	1.3	207	2.1	9.4	4.92	0.30
	40	33'	1.5	276	2.8	10.1	5.68	0.34
	<b>50</b>	<b>34'</b>	<b>1.8</b>	<b>345</b>	<b>3.4</b>	<b>10.4</b>	<b>6.81</b>	<b>0.41</b>
	60	34'	1.9	414	4.1	10.4	7.19	0.43
2.5 <small>Factory Installed Nozzle</small>	30	38'	2.5	207	2.07	11.6	9.46	.57
	40	39'	2.8	276	2.76	11.9	10.60	.64
	<b>50</b>	<b>40'</b>	<b>3.2</b>	<b>345</b>	<b>3.45</b>	<b>12.2</b>	<b>12.11</b>	<b>.73</b>
	60	41'	3.5	414	4.14	12.5	13.25	.79
3.0	30	32'	1.8	207	2.1	9.8	6.81	0.41
	40	33'	2.1	276	2.8	10.1	7.95	0.48
	<b>50</b>	<b>34'</b>	<b>2.4</b>	<b>345</b>	<b>3.4</b>	<b>10.4</b>	<b>9.08</b>	<b>0.55</b>
	60	35'	2.6	414	4.1	10.7	9.84	0.59
4.0	30	31'	2.6	207	2.1	9.4	9.84	0.59
	40	34'	3.1	276	2.8	10.4	11.73	0.70
	<b>50</b>	<b>35'</b>	<b>3.5</b>	<b>345</b>	<b>3.4</b>	<b>10.7</b>	<b>13.25</b>	<b>0.79</b>
	60	37'	3.9	414	4.1	11.3	14.76	0.89
6.0	40	38'	4.7	276	2.8	11.6	17.79	1.07
	<b>50</b>	<b>40'</b>	<b>5.1</b>	<b>345</b>	<b>3.4</b>	<b>12.2</b>	<b>19.31</b>	<b>1.16</b>
	60	42'	5.9	414	4.1	12.8	22.33	1.34
	70	44'	6.5	483	4.8	13.4	24.61	1.48
8.0	40	40'	5.3	276	2.8	12.2	20.06	1.20
	<b>50</b>	<b>41'</b>	<b>6.2</b>	<b>345</b>	<b>3.4</b>	<b>12.5</b>	<b>23.47</b>	<b>1.41</b>
	60	43'	7.0	414	4.1	13.1	26.50	1.59
	70	42'	7.5	483	4.8	12.8	28.39	1.70

## LOW ANGLE NOZZLE PERFORMANCE CHART

Nozzle	U.S.			METRIC				
	Pressure PSI	Radius Ft.	Flow GPM	Pressure KPa Bars		Radius Meters	Flow LM M <sup>3</sup> /H	
1	30	27'	1.2	207	2.1	8.2	4.54	0.27
	40	29'	1.4	276	2.8	8.8	5.30	0.32
	<b>50</b>	<b>30'</b>	<b>1.6</b>	<b>345</b>	<b>3.4</b>	<b>9.1</b>	<b>6.06</b>	<b>0.36</b>
	60	31'	1.8	414	4.1	9.4	6.62	0.40
3	30	26'	2.5	207	2.1	7.9	9.46	0.57
	40	29'	2.7	276	2.8	8.8	10.22	0.61
	<b>50</b>	<b>32'</b>	<b>3.1</b>	<b>345</b>	<b>3.4</b>	<b>9.8</b>	<b>11.73</b>	<b>0.70</b>
	60	36'	3.4	414	4.1	11.0	12.87	0.77
4	30	31'	3.6	207	2.1	9.4	13.63	0.82
	40	35'	4.1	276	2.8	10.7	15.52	0.93
	<b>50</b>	<b>37'</b>	<b>4.7</b>	<b>345</b>	<b>3.4</b>	<b>11.3</b>	<b>17.79</b>	<b>1.07</b>
	60	40'	5.2	414	4.1	12.2	19.68	1.18
6	40	31'	5.0	207	2.8	9.4	18.93	1.14
	<b>50</b>	<b>35'</b>	<b>5.9</b>	<b>276</b>	<b>3.4</b>	<b>10.7</b>	<b>22.33</b>	<b>1.34</b>
	60	38'	6.8	345	4.1	11.6	25.74	1.54
	70	41'	7.3	414	4.8	12.5	27.63	1.66